Modulating, Non-Spring Return, 24 V, for DC 2...10 V or 4...20 mA













Technical Data	
Power Supply	24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%
Power consumption in operation	1.5 W
Power consumption in rest	0.4 W
position	
Transformer sizing	3 VA (class 2 power source)
Electrical Connection	18 GA plenum cable, 3 ft [1 m], with 1/2"
	conduit connector
Overload Protection	electronic thoughout 090° rotation
Operating Range	210 V, 420 mA w/ ZG-R01 (500 Ω, 1/4
	W resistor)
Input Impedance	100 kΩ for 210 V (0.1 mA), 500 Ω for
	420 mA
Position Feedback	210 V
Angle of rotation	90°
Direction of motion motor	selectable with switch 0/1
Position indication	Mechanically, pluggable
Manual override	external push button
Running Time (Motor)	90 s
Ambient humidity	max. 95% r.H., non-condensing
Ambient temperature	-22122°F [-3050°C]
Storage temperature	-40176°F [-4080°C]
Degree of Protection	IP54, NEMA 2, UL Enclosure Type 2
Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA
	E60730-1:02, CE acc. to 2014/30/EU
Noise level, motor	35 dB(A)
Servicing	maintenance-free
Quality Standard	ISO 9001
Weight	1.1 lb [0.50 kg]

†Rated Impulse Voltage 800V, Type action 1.B, Control Pollution Degree 3.



LRB24-SR Technical Data Sheet

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Wiring Diagrams



X INSTALLATION NOTES



Provide overload protection and disconnect as required.

Only connect common to negative (-) leg of control circuits.



Actuators may be connected in parallel. Power consumption and input impedance must be observed.



Actuators may also be powered by 24 VDC.



A 500 Ω resistor (ZG-R01) converts the 4 to 20 mA control signal to 2 to 10 VDC.



Actuators with plenum cable do not have numbers; use color codes



Meets cULus requirements without the need of an electrical ground connection.



WARNING! LIVE ELECTRICAL COMPONENTS!

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

